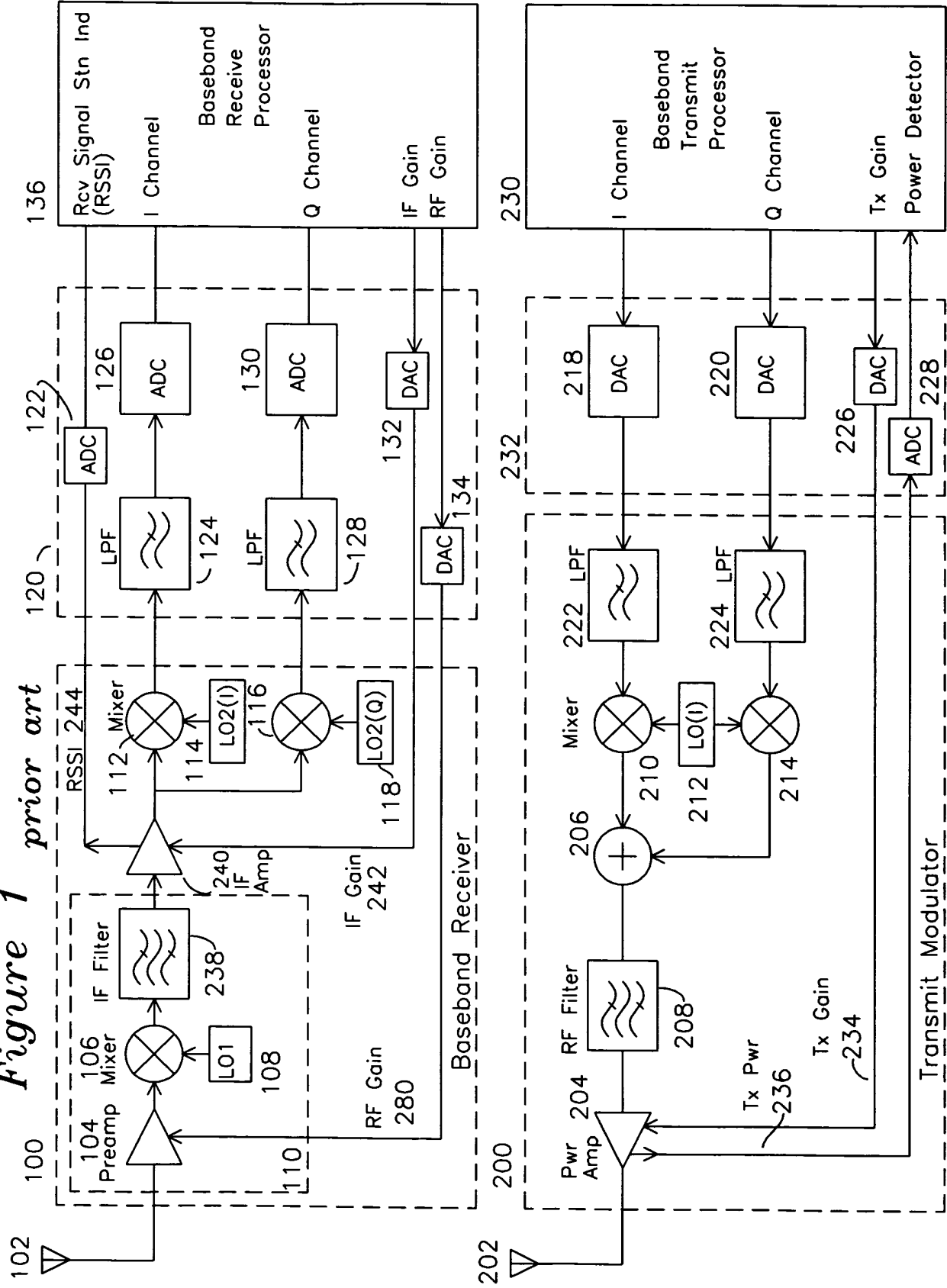
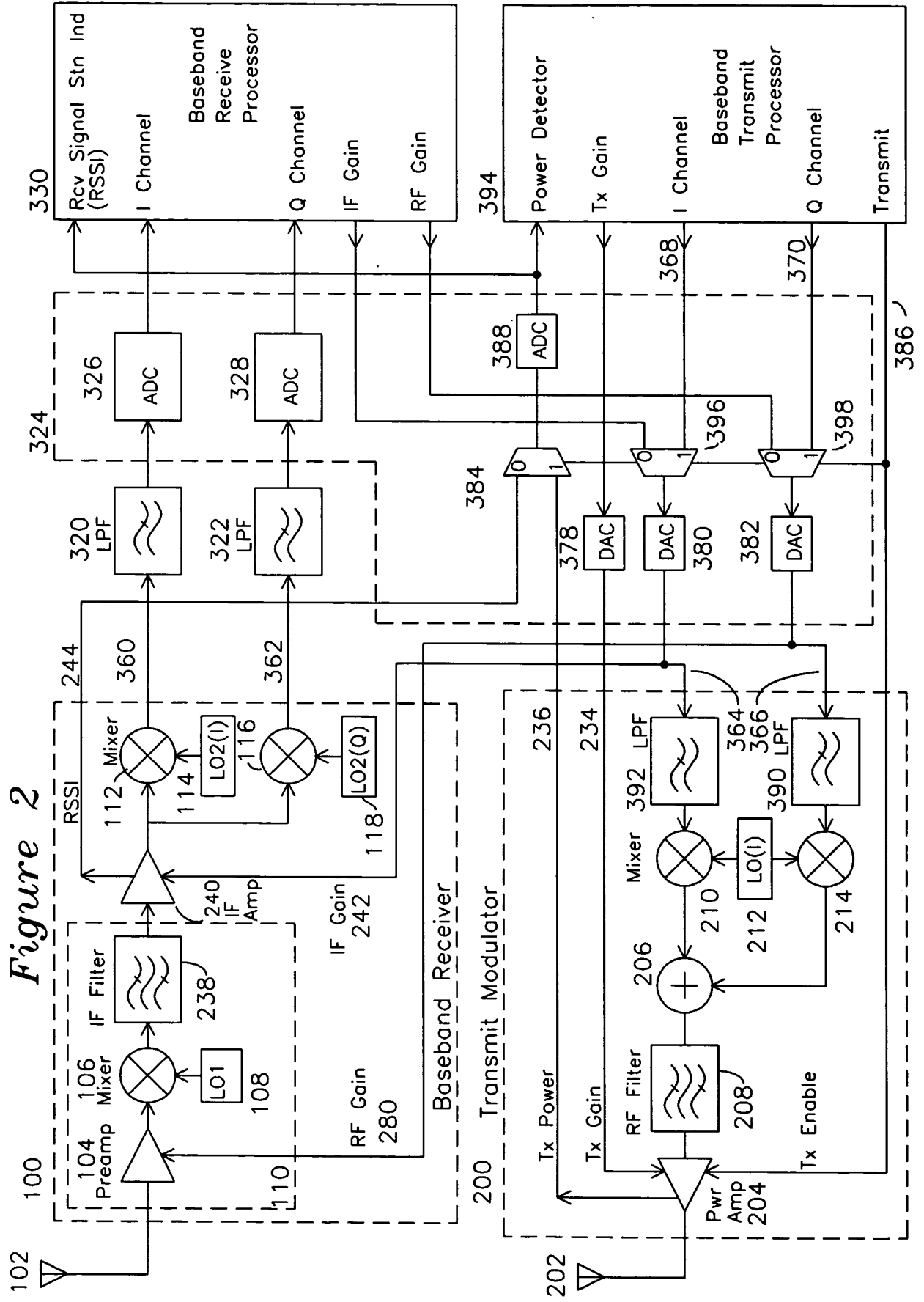


Figure 1 prior art

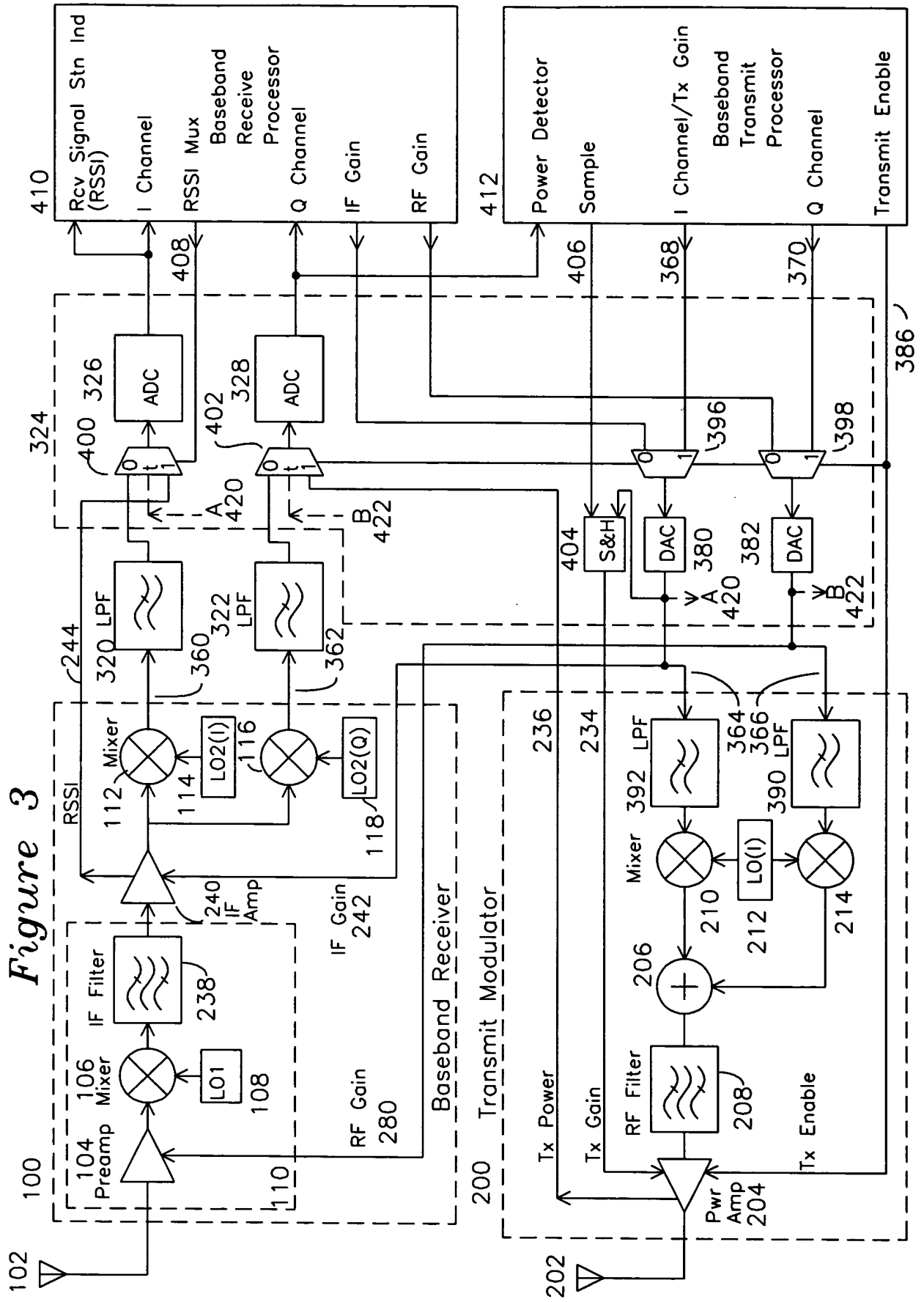


**Figure 2**

The diagram illustrates a Baseband Receiver and Baseband Transmit Modulator. The receiver section (left) includes an antenna (102), a preamp (104), a mixer (106), an IF filter (238), an IF amp (240), mixers (112, 114), LOs (108, 116), LPFs (320, 322), and ADCs (326, 328). The transmitter section (right) includes an antenna (202), a power amp (204), an RF filter (208), mixers (210, 214), LOs (212, 216), LPFs (234, 236), DACs (378, 380, 382), and a power detector (394). Both sections are controlled by a microcontroller (386) via various control lines.



102



# Figure 4

